



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090598

**Mode:** Highway

**Status:** Submitted

### NC-109

**From/Cross Street:** NC 73 (Main Street)

**Specific Improvement Type:** 16 - Modernize Roadway

**To:** NC 24/27

**Project Category:** Regional Impact

**Length:** 8.45

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$22,230,000

#### Description:

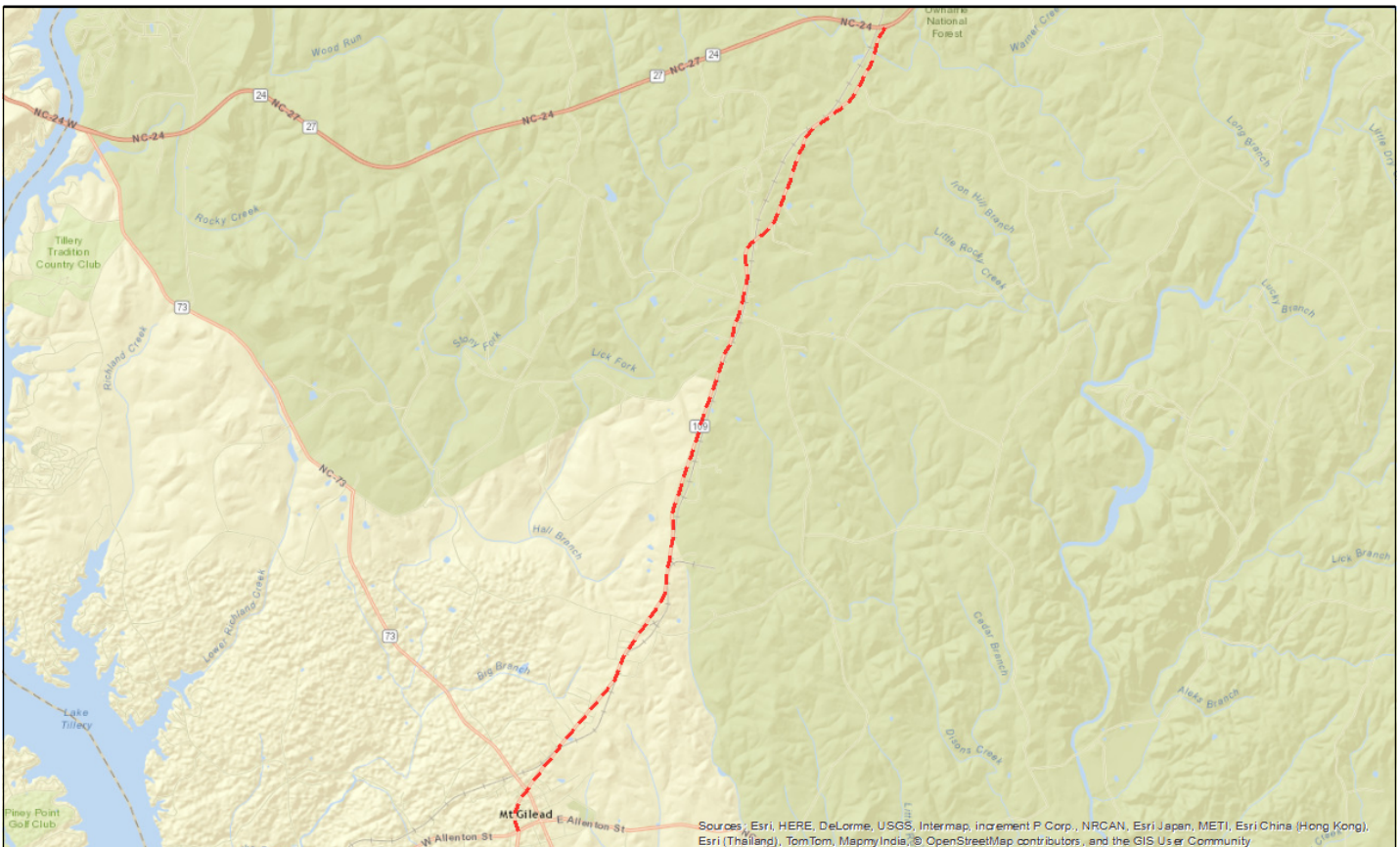
NC 73 in Mt. Gilead to NC 24-27 West of Troy. Widen Existing; Add Shoulders; install Turn Lanes at Traffic Generators and Signalization.

**Division(s):** Division 8

**County(s):** MONTGOMERY

**MPOS(s)/RPO(s):** Piedmont Triad RPO

### Project Location



**Statewide Mobility Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

**Regional Impact Total Score: 23.98**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 19.06	Percent: 15%	Percent: 15%
Safety (10%) 35.64	Points: 0	Points: 100
[Travel Time] Benefit/Cost (25%) 0.00		
Accessibility / Connectivity (10%) 6.47		
Totals: Weight: 70% Weighted Score: 8.98		

**Division Needs Total Score: 7.38**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 19.06	Percent: 25%	Percent: 25%
Safety (10%) 35.64	Points: 0	Points: 0
[Travel Time] Benefit/Cost (20%) 0.00		
Totals: Weight: 50% Weighted Score: 7.38		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	53
Length (miles):	8.45
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	4474.66
Capacity:	15543.63
Volume/Capacity Ratio:	0.29
% Autos:	88%
% Trucks:	12%
Truck Volume:	555.7
Crash Density:	42.6
Crash Severity:	31.55
Critical Crash Rate:	32.78
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	52
Actual Congested Speed:	44.7
Travel Time Index:	1.12

**Project Benefits**

Project Cross-Section:	
Speed Limit:	53
Length (miles):	8.45
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 8

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 8	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Piedmont Triad RPO	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$22,230,000	TIP Unit
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$22,230,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$22,230,000</b>	